



City Council Agenda Report
Meeting Date: June 7, 2011
Department: Public Works

SUBJECT:

BID DOCUMENTS FOR THE ROCKFIELD BOULEVARD TRAFFIC CALMING
STREETSCAPE PROJECT PW 2003.02

RECOMMENDED ACTION(S):

1. Approve the construction plans and bid specifications for the Rockfield Boulevard Traffic Calming Streetscape Project Phase 1, PW 2003.02.
 2. Authorize staff to solicit bids for construction.
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EXECUTIVE SUMMARY:

On December 15, 2009, the City Council approved the Master Plan for the Rockfield Boulevard Traffic Calming Streetscape Project and directed staff to complete construction plans and bid specifications for Phase 1. This project will construct raised landscaped medians, parkway landscape planters and other modifications. There is minimal fiscal impact associated with approval of the bid documents and authorization of bidding.

BACKGROUND:

In 2004, the City Council awarded a professional services agreement to RBF Consulting to provide professional engineering and landscape architecture services for this project. The scope of work included creation of a streetscape master plan. As part of its approval of the 2009-2011 Capital Improvement Projects Budget, the City Council opted to deliver the Rockfield Boulevard Streetscape Project in up to three distinct phases. Phase 1 of this project, from El Toro Road to Los Alisos Boulevard, is before the City Council this evening for consideration.

On July 15, 2008, the City Council reviewed the conceptual plans for this project and approved Alternative Landscape Plan 2 with some modifications and directed staff to complete the Rockfield Boulevard Streetscape Master Plan. On December 15, 2009, the City Council approved the Master Plan and directed staff to complete the construction plans and bid specifications for Phase 1 of the streetscape project. During the preparation of the final construction plans and

bid specifications, staff submitted this project to the Orange County Transportation Authority (OCTA) for the Federal Transportation Enhancement activity (TE) grant program which was subsequently approved for a \$500,000 grant. On July 6, 2010, the City Council approved a cooperative agreement with OCTA for the use of TE funds for this project as well as the associated Negative Declaration for the project under the California Environmental Quality Act. The construction plans and bid documents were completed by RBF and submitted to Caltrans for its review on behalf of the Federal Highway Administration under the TE grant program, which subsequently provided its authorization to the City to solicit bids for construction on May 13, 2011.

DISCUSSION:

This traffic calming streetscape project will construct raised landscaped medians along Rockfield Boulevard from El Toro Road to Los Alisos Boulevard, as well as construct parkway landscape planters on both sides of the street. The proposed improvements to be constructed as part of this project include:

- Modification of existing access curb ramps to comply with current Americans with Disabilities Act standards
- Decorative concrete roadway paving
- Approximately 200 new trees
- Approximately 9,000 low-water usage shrubs and plants
- “Smart” irrigation controller and drip/bubbler irrigation system
- Median landscape up-lighting
- New rubberized asphalt for the entire road surface, traffic striping, legends and markings

The anticipated project delivery schedule is as follows:

- Advertise for bids: June 17, 2011, and June 24, 2011
- Bid opening: July 21, 2011
- City Council contract award: August 16, 2011
- Construction Period: January 2012 – April 2012

Staff proposes to begin construction on this project after January 1, 2012, in an effort to avoid major construction activities adjacent to busy commercial centers during the holiday shopping season. Traffic circulation on Rockfield Boulevard adjacent to both the Orchard and Hunter Court shopping centers will be impacted during the course of construction; impacts could be exacerbated during the busy holiday season as the scope of the improvements will require intermittent traffic lane closures during the course of construction. In addition, the Redevelopment Agency recently approved a non-binding outline of terms with the Hunter Court Shopping Center for funding of improvements within the public right-of-way on Rockfield Boulevard adjacent to the shopping center.

The potential public improvements will facilitate Hunter Court's comprehensive plan to renovate the shopping center, and include modifying the existing traffic signal and constructing a new driveway at Orchard Lane to connect the shopping center to the signalized intersection. If the Redevelopment Agency and Hunter Court finalize an agreement to fund the proposed public right-of-way improvements, it would be ideal to construct those improvements in conjunction with the planned streetscape improvements. This approach eliminates potential construction waste and minimizes public inconvenience by constructing all public right-of-way improvements in one phase. Delaying the start of construction for the streetscape project also will provide additional time for the Redevelopment Agency and Hunter Court to finalize the potential agreement related to the public right-of-way improvements as well as provides Hunter Court with more time to obtain discretionary approval for its planned parking lot and building façade improvements.

A special provision has been added to the construction documents to advise bidders the City anticipates issuing the notice to proceed for construction after January 1, 2012. This will require bidders to hold their prices through this time period. It is unknown at this time what project cost impact, if any, holding the notice to proceed for construction until January 2012 will have on the bids received for this project. A favorable and competitive bidding environment still exists based on the number of bids received for the Trabuco Road Streetscape Project. However, staff anticipates that any increase in construction costs could be minimal and likely offset by the sales tax revenues generated during the peak holiday sales season if construction activities are delayed until after the holiday season. Construction activities during the holiday shopping season could deter potential shoppers from patronizing this area. The bid process is being pursued at this time because the use of TE grant funding requires the City to award a construction contract by September 24, 2011.

This project is funded in part with Federal grant funds; therefore, Davis/Bacon Federal wage requirements apply. The bid documents are not attached in their entirety due to size. However, the complete documents are available for review in the Office of the City Clerk, and will be displayed in the City Council Chambers for review before and during the City Council Meeting. The bid documents include special provisions for construction materials and methods to be used on this project and the City's standard construction contract. The contract also contains a provision that allows the City Manager to approve contract change orders up to 10% of the contract amount. Attached are the Notice Inviting Bids and Instructions to Bidders that detail the bid process and Form (Attachment 1). A copy of the Rockfield Boulevard Streetscape Master Plan is also attached (Attachment 2).

FISCAL IMPACT:

There is no immediate fiscal impact associated with approval of the bid documents and authorization of bidding. Funding for this project has been appropriated in the City Council approved 2009-2011 Capital Improvement Projects Budget. The current project schedule anticipates a staff recommendation of contract award in August 2011. At that time, staff will advise Council of the proposed not-to-exceed contract amount and confirm funding availability.

ATTACHMENT:

1. Notice Inviting Bids, Instructions to Bidders, Bid Form
2. Rockfield Boulevard Streetscape Master Plan

Initiated By: Luis Estevez, Public Works Manager
Submitted By: Robert L. Woodings, P.E., Director of Public Works / City Engineer
Reviewed By: Robert C. Dunek, City Manager

ATTACHMENT 1

NOTICE INVITING BIDS

The City of Lake Forest ("City") will receive sealed bids for the Rockfield Boulevard Streetscape Project PW 2003.02 at the office of the City Clerk no later than July 21, 2011 at 2 p.m., at which time or thereafter said bids will be opened and read aloud. Bids received after this time will be returned unopened. Bids shall be valid for 90 calendar days after the bid opening date.

Bids must be submitted on City's Bid Forms. Electronic bids will not be accepted. Bidders may obtain a copy of the Contract Documents from the Public Works Department at: 25550 Commercentre Drive, Suite 100, Lake Forest, Ca 92630 (949) 461-3485 for \$25. A non-refundable charge of \$35 will be required of any bidder who requests that the Contract Documents be mailed within California (costs for out-of-state mailings will be higher). City will not make the Contract Documents available for review at one or more plan rooms.

Pursuant to Federal law, AGENCY is implementing new Disadvantaged Business Enterprise (DBE) requirements for Underutilized Disadvantaged Business Enterprises (UDBEs). The UDBE requirements are covered in the Specifications in subsection 2-1.02, "Disadvantaged Business Enterprises (DBE)," of Section 2, "Proposal Requirements and Conditions," and in subsection 5-1.5, "Performance of Subcontractors," of Section 5, "General."

The UDBE contract goal for this project is 6.5%.

This project is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code Section 12990. AGENCY affirms that in any contract entered into pursuant to this advertisement, DBEs will be afforded full opportunity to submit bids in response to this invitation.

The City hereby affirmatively ensures that minority business enterprises will be afforded full opportunity to submit bids in response to this notice and will not be discriminated against on the basis of race, color, national origin, ancestry, sex, or religion in any consideration leading to the award of Contract.

The U.S. Department of Transportation (DOT) provides a toll-free hotline service to report bid rigging, bidder collusion, or other fraudulent activities. The hotline is available Mondays through Fridays between 8:00 a.m. and 5:00 p.m. eastern time, at (800) 424-9071. The hotline is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially, and caller anonymity will be respected.

Conflict of Interest: in the procurement of supplies, equipment, construction, and services by sub-recipients, the conflict of interest provisions in 24 CFR 85.36, OMB Circular A-110, and 24 CFR 570.611 shall apply. No employee, officer, or agent of the sub-recipient shall participate in the selection, award, or administration of a contract supported by federal funds if a conflict of interest, real or apparent, would be involved.

In entering into a public works contract, or a subcontract, to supply goods, services, or materials pursuant to a public works contract, the Contractor, or Subcontractor, offers and agrees to assign to the awarding body all rights, title and interest in, and to, all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act, Business and Professions Code Section 16700, *et seq.*, arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and

Attachment

become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the parties.

Bids must be accompanied by cash, a certified or cashier's check, or a Bid Bond in favor of City in an amount not less than ten percent (10%) of the submitted Total Bid Price.

A mandatory Pre-Bid Conference will be held at Lake Forest City Hall, El Toro Conference Room, on the following date(s) and time(s): Monday, July 11, 2011 at 2 p.m. Each and every Bidder must attend the Pre-Bid Conference. Prospective bidders may visit the Project Site without making arrangements through the Public Works Manager. Bids will not be accepted from any bidder who did not attend the Pre-Bid Conference.

Each bid shall be accompanied by the security referred to in the Contract Documents, the non-collusion affidavit, the list of proposed subcontractors, and all additional documentation required by the Instructions to Bidders.

The successful bidder will be required to furnish City with a Performance Bond equal to 100% of the successful bid, and a Payment Bond equal to 100% of the successful bid, prior to execution of the Contract. All bonds are to be secured from a surety that meets all of the State of California bonding requirements, as defined in Code of Civil Procedure Section 995.120, and is admitted by the State of California.

Pursuant to Public Contract Code Section 22300, the successful bidder may substitute certain securities for funds withheld by City to ensure his performance under the Contract.

The Director of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract which will be awarded to the successful bidder, copies of which can be found online at <http://www.dir.ca.gov/dlsr>. A copy of these rates shall be posted by the successful bidder at the job site. The successful bidder and all subcontractor(s) under him, shall comply with all applicable Labor Code provisions, which include, but are not limited to the payment of not less than the required prevailing rates to all workers employed by them in the execution of the Contract, the employment of apprentices, the hours of labor and the debarment of contractors and subcontractors.

Each bidder shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following appropriate classification(s) of contractor's license(s), for the work bid upon, and must maintain the license(s) throughout the duration of the Contract: Class A.

Award of Contract: City shall award the Contract for the Project to the lowest responsible bidder as determined from the base bid alone by City. City reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process.

**NOTICE TO BIDDERS
FEDERAL REQUIREMENTS**

If you are the apparent low bidder, second low bidder, or third low bidder, you must submit the following form, either with your bid or within four (4) business days after bid opening:

- ☐ Local Agency Bidder UDBE Commitment (Construction Contracts), Exhibit 15-G1

In addition, you are strongly encouraged, and may be required, to submit the following form as a supplement to Exhibit 15-G1:

- ☐ UDBE Information – Good Faith Efforts, Exhibit 15-H

To assist the City in updating its Bidders List, all bidders are requested to submit the following form with their bids:

- ☐ Bidder Information Sheet(s)

If applicable, the following form must be submitted with the bid:

- ☐ Disclosure of Lobbying Activities

Upon execution and submission of your bid, you are agreeing to be bound by the following (but do not need to return the forms):

- Equal Employment Opportunity Certification
- Noncollusion Affidavit
- Debarment and Suspension Certification
- Nonlobbying Certification for Federal-Aid Contracts

If you are the successful bidder on this project, you will be requested to submit the following form to the City when the contract is executed:

- ☐ Local Agency Bidder DBE Information (Construction Contracts)

When construction is completed, you will be required to submit the following forms to the City:

- ☐ Final Report – Utilization of Disadvantaged Businesses
- ☐ Disadvantaged Business Enterprises (DBE) Certification Status Change

For further information, contact Luis Estevez, Public Works Manager, (949) 461-3485.

END OF NOTICE INVITING BIDS

INSTRUCTIONS TO BIDDERS

1. AVAILABILITY OF CONTRACT DOCUMENTS

Bids must be submitted to City on the Bid Forms which are a part of the Bid Package for the Project. Contract Documents may be obtained from City at the location(s) and at the time(s) indicated in the Notice Inviting Bids. Prospective bidders are encouraged to telephone in advance to determine the availability of Contract Documents. Any applicable charges for the Contract Documents are outlined in the Notice Inviting Bids.

2. EXAMINATION OF CONTRACT DOCUMENTS

City has made copies of the Contract Documents available, as indicated above. Bidders shall be solely responsible for examining the Project Site and the Contract Documents, including any Addenda issued during the bidding period, and for informing itself with respect to local labor availability, means of transportation, necessity for security, laws and codes, local permit requirements, wage scales, local tax structure, contractors' licensing requirements, availability of required insurance, and other factors that could affect the Work. Bidders are responsible for consulting the standards referenced in the Contract. Failure of Bidder to so examine and inform itself shall be at its sole risk, and no relief for error or omission will be given except as required under State law.

3. INTERPRETATION OF CONTRACT DOCUMENTS

Discrepancies in, and/or omissions from the Plans, Specifications or other Contract Documents or questions as to their meaning shall be immediately brought to the attention of City by submission of a written request for an interpretation or correction to City. Such submission, if any, must be sent to the Public Works Manager by faxing (949) 461-3511 or emailing to lestevez@lakeforestca.gov.

Any interpretation of the Contract Documents will be made only by written addenda duly issued and mailed or delivered to each person or firm who has purchased a set of Contract Documents. City will not be responsible for any explanations or interpretations provided in any other manner. No person is authorized to make any oral interpretation of any provision in the Contract Documents to any bidder, and no bidder should rely on any such oral interpretation.

Bids shall include complete compensation for all items that are noted in the Contract Documents as the responsibility of the Contractor.

4. INSPECTION OF SITE; PRE-BID CONFERENCE AND SITE WALK

Each prospective bidder is responsible for fully acquainting itself with the conditions of the Project Site (which may include more than one site), as well as those relating to the construction and labor of the Project, to fully understand the facilities, difficulties and restrictions which may impact the cost or effort required to complete the Project. To this end, a mandatory Pre-Bid Conference will be held on the date(s) and time(s) indicated in the Notice Inviting Bids.

5. ADDENDA

City reserves the right to revise the Contract Documents prior to the bid opening date. Revisions, if any, shall be made by written Addenda. All Addenda issued by City shall be included in the bid and made part of the Contract Documents. Pursuant to Public Contract

Code Section 4104.5, if City issues an Addendum which includes material changes to the Project less than 72 hours prior to the deadline for submission of bids, City will extend the deadline for submission of bids. City may determine, in its sole discretion, whether an Addendum warrants postponement of the bid submission date. Each prospective bidder shall provide City a name, address and facsimile number to which Addenda may be sent, as well as a telephone number by which City can contact the bidder. Copies of Addenda will be furnished by facsimile, first class mail, express mail or other proper means of delivery without charge to all parties who have obtained a copy of the Contract Documents and provided such current information. Please Note: Bidders are responsible for ensuring that they have received any and all Addenda. To this end, each bidder should contact the Public Works Department to verify that he has received all Addenda issued, if any, prior to the bid opening.

6. ALTERNATE BIDS

If alternate bid items are called for in the Contract Documents, the lowest bid will be determined on the basis of the base bid only. However, City may choose to award the contract on the basis of the base bid alone or the base bid and any alternate or combination of alternates. The time required for completion of the alternate bid items has been factored into the Contract duration and no additional Contract time will be awarded for any of the alternate bid items. City may elect to include one or more of the alternate bid items, or to otherwise remove certain work from the Project scope of work, accordingly each Bidder must ensure that each bid item contains a proportionate share of profit, overhead and other costs or expenses which will be incurred by the Bidder.

7. COMPLETION OF BID FORMS

Bids shall only be prepared using copies of the Bid Forms which are included in the Contract Documents. The use of substitute bid forms other than clear and correct photocopies of those provided by City will not be permitted. Bids shall be executed by an authorized signatory as described in these Instructions to Bidders. In addition, Bidders shall fill in all blank spaces (including inserting "N/A" where applicable) and initial all interlineations, alterations, or erasures to the Bid Forms. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms nor make substitutions thereon. **USE OF BLACK OR BLUE INK, INDELIBLE PENCIL OR A TYPEWRITER IS REQUIRED.** Deviations in the bid form may result in the bid being deemed non-responsive.

8. MODIFICATIONS OF BIDS

Each Bidder shall submit its Bid in strict conformity with the requirements of the Contract Documents. Unauthorized additions, modifications, revisions, conditions, limitations, exclusions or provisions attached to a Bid may render it non-responsive and may cause its rejection. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms, nor make substitutions thereon. Oral, telephonic and electronic modifications will not be considered, unless the Notice Inviting Bids authorizes the submission of electronic bids and modifications thereto and such modifications are made in accordance with the Notice Inviting Bids.

9. DESIGNATION OF SUBCONTRACTORS

Pursuant to State law, the Bidders must designate the name and location of each subcontractor who will perform work or render services for the Bidder in an amount that exceeds one-half of one percent (1/2%) of the Bidder's Total Bid Price, or \$10,000, if the work involves streets or

highways, whichever is greater, as well as the portion of work each such subcontractor will perform on the form provided herein by City. No additional time will be provided to bidders to submit any of the requested information in the Designation of Subcontractor form.

10. LICENSING REQUIREMENTS

Pursuant to Section 7028.15 of the Business and Professions Code and Section 3300 of the Public Contract Code, all bidders must possess proper licenses for performance of this Contract. Subcontractors must possess the appropriate licenses for each specialty subcontracted. Pursuant to Section 7028.5 of the Business and Professions Code, City shall consider any bid submitted by a contractor not currently licensed in accordance with state law and pursuant to the requirements found in the Contract Documents to be non-responsive, and City shall reject the Bid. City shall have the right to request, and Bidders shall provide within five (5) calendar days, evidence satisfactory to City of all valid license(s) currently held by that Bidder and each of the Bidder's subcontractors, before awarding the Contract.

11. SIGNING OF BIDS

All Bids submitted shall be executed by the Bidder or its authorized representative. Bidders may be asked to provide evidence in the form of an authenticated resolution of its Board of Directors or a Power of Attorney evidencing the capacity of the person signing the Bid to bind the Bidder to each Bid and to any Contract arising therefrom.

If a Bidder is a joint venture or partnership, it may be asked to submit an authenticated Power of Attorney executed by each joint venturer or partner appointing and designating one of the joint venturers or partners as a management sponsor to execute the Bid on behalf of Bidder. Only that joint venturer or partner shall execute the Bid. The Power of Attorney shall also: (1) authorize that particular joint venturer or partner to act for and bind Bidder in all matters relating to the Bid; and (2) provide that each venturer or partner shall be jointly and severally liable for any and all of the duties and obligations of Bidder assumed under the Bid and under any Contract arising therefrom. The Bid shall be executed by the designated joint venturer or partner on behalf of the joint venture or partnership in its legal name.

12. BID GUARANTEE (BOND)

Each bid shall be accompanied by: (a) cash; (b) a certified check made payable to City; (c) a cashier's check made payable to City; or (d) a bid bond payable to City executed by the bidder as principal and surety as obligor in an amount not less than 10% of the maximum amount of the bid. Personal sureties and unregistered surety companies are unacceptable. The surety insurer shall be California admitted surety insurer, as defined in Code of Civil Procedure Section 995.120. The cash, check or bid bond shall be given as a guarantee that the bidder shall execute the Contract if it be awarded to the bidder, shall provide the payment and performance bonds and insurance certificates and endorsements as required herein within ten (10) calendar days after notification of the award of the Contract to the bidder. Failure to provide the required documents may result in forfeiture of the bidder's bid deposit or bond to City and City may award the Contract to the next lowest responsible bidder, or may call for new bids.

13. SUBMISSION OF SEALED BIDS

Once the Bid and supporting documents have been completed and signed as set forth herein, they shall be placed, along with the Bid Guarantee and other required materials in an envelope, sealed, addressed and delivered or mailed, postage prepaid to City at the place and to the

attention of the person indicated in the Notice Inviting Bids. No oral or telephonic bids will be considered. No forms transmitted via the Internet, e-mail, facsimile, or any other electronic means will be considered unless specifically authorized by City as provided herein. The envelope shall also contain the following in the lower left-hand corner thereof:

**Bid of _____ (Bidder's Name)
for the Rockfield Boulevard Streetscape Project PW 2003.02**

Only where expressly permitted in the Notice Inviting Bids, may Bidders submit their bids via electronic transmission pursuant to Public Contract Code Sections 1600 and 1601. The acceptable method(s) of electronic transmission shall be stated in the Notice Inviting Bids. City reserves the right to not accept electronically transmitted bids where not specifically authorized in the Notice Inviting Bids, and may reject any bid not strictly complying with City's designated methods for delivery.

14. DELIVERY AND OPENING OF BIDS

Bids will be received by City at the address shown in the Notice Inviting Bids up to the date and time shown therein. City will leave unopened any Bid received after the specified date and time, and any such unopened Bid will be returned to the Bidder. It is the Bidder's sole responsibility to ensure that its Bid is received as specified. Bids may be submitted earlier than the dates(s) and time(s) indicated.

Bids will be opened at the date and time stated in the Notice Inviting Bids, and the amount of each Bid will be read aloud and recorded. All Bidders may, if they desire, attend the opening of Bids. City may in its sole discretion, elect to postpone the opening of the submitted Bids. City reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid. In the event of a discrepancy between the written amount of the Bid Price and the numerical amount of the Bid Price, the written amount shall govern.

15. WITHDRAWAL OF BID

Prior to bid opening, a Bid may be withdrawn by the Bidder only by means of a written request signed by the Bidder or its properly authorized representative.

16. BASIS OF AWARD; BALANCED BIDS

City shall award the Contract to the lowest responsible Bidder submitting a responsive Bid. City may reject any Bid which, in its opinion when compared to other bids received or to City's internal estimates, does not accurately reflect the cost to perform the Work. City may reject as non-responsive any bid which unevenly weights or allocates costs, including but not limited to overhead and profit to one or more particular bid items.

17. DISQUALIFICATION OF BIDDERS; INTEREST IN MORE THAN ONE BID

No bidder shall be allowed to make, submit or be interested in more than one bid. However, a person, firm, corporation or other entity that has submitted a subproposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a subproposal or quoting prices to other bidders submitting a bid to City. No person, firm, corporation, or other entity may submit subproposal to a bidder, or quote prices of materials to a bidder, when also submitting a prime bid on the same Project.

18. INSURANCE REQUIREMENTS

The successful bidder shall procure the insurance in the form and in the amount specified in the Contract Documents.

19. AWARD PROCESS

Once all Bids are opened and reviewed to determine the lowest responsive and responsible Bidder, City Council may award the contract. The apparent successful Bidder should begin to prepare the following documents: (1) the Performance Bond; (2) the Payment Bond; and (3) the required insurance certificates and endorsements. Once City notifies the Bidder of the award, the Bidder will have ten (10) consecutive calendar days from the date of this notification to execute the Contract and supply City with all of the required documents and certifications. Regardless whether the Bidder supplies the required documents and certifications in a timely manner, the Contract time will begin to run ten (10) calendar days from the date of the notification. Once City receives all of the properly drafted and executed documents and certifications from the Bidder, City shall issue a Notice to Proceed to that Bidder.

20. FILING OF BID PROTESTS

Bidders may file a "protest" of a Bid with City's Director of Public Works/City Engineer. In order for a Bidder's protest to be considered valid, the protest must:

- A. Be filed in writing within five (5) calendar days after the bid opening date;
- B. Clearly identify the specific irregularity or accusation;
- C. Clearly identify the specific City staff determination or recommendation being protested;
- D. Specify, in detail, the grounds of the protest and the facts supporting the protest; and
- E. Include all relevant, supporting documentation with the protest at time of filing.

If the protest does not comply with each of these requirements, it will be rejected as invalid.

If the protest is valid, City's Director of Public Works/City Engineer, or other designated City staff member, shall review the basis of the protest and all relevant information. The Director of Public Works/City Engineer will provide a written decision to the protestor. The protestor may then appeal the decision of the Director of Public Works/City Engineer to the City Manager.

21. WORKERS COMPENSATION

Each bidder shall submit the Contractor's Certificate Regarding Workers' Compensation form.

22. SUBSTITUTION OF SECURITY

The Contract Documents call for monthly progress payments based upon the percentage of the work completed. City will retain ten percent (10%) of each progress payment as provided by the Contract Documents. At the request and expense of the successful Bidder, City will substitute securities for the amount so retained in accordance with Public Contract Code Section 22300.

23. PREVAILING WAGES

City has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract. These rates are available online at <http://www.dir.ca.gov/dlsr>. Bidders are advised that a copy of these rates must be posted by the successful Bidder at the job site(s).

24. DEBARMENT OF CONTRACTORS AND SUBCONTRACTORS

In accordance with the provisions of the Labor Code, contractors or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Section 1777.1 or Section 1777.7 of the Labor Code. Any contract on a public works project entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid to a debarred subcontractor by the Contractor for the Project shall be returned to City. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the Project.

25. PERFORMANCE BOND AND PAYMENT BOND REQUIREMENTS

Within the time specified in the Contract Documents, the Bidder to whom a Contract is awarded shall deliver to City four identical counterparts of the Performance Bond and Payment Bond in the form supplied by City and included in the Contract Documents. Failure to do so may, in the sole discretion of City, result in the forfeiture of the Bid Guarantee. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to City. The Performance Bond and the Payment Bond shall be for one hundred percent (100%) of the Total Bid Price.

26. REQUEST FOR SUBSTITUTIONS

The successful bidder shall comply with the substitution request provisions set forth in the Special Conditions, including any deadlines for substitution requests, **which may be submitted within 35 days of the contract award.**

27. SALES AND OTHER APPLICABLE TAXES, PERMITS, LICENSES AND FEES

Contractor and its subcontractors performing work under this Contract will be required to pay California sales tax and other applicable taxes, and to pay for permits, licenses and fees required by the agencies with authority in the jurisdiction in which the work will be located, unless otherwise expressly provided by the Contract Documents.

28. EXECUTION OF CONTRACT

As required herein the Bidder to whom an award is made shall execute the Contract in the amount determined by the Contract Documents. City may require appropriate evidence that the persons executing the Contract are duly empowered to do so.

29. FEDERAL LOBBYING RESTRICTIONS

Section 1352, Title 1352, Title 31, United States Code prohibits Federal funds from being expended by the recipient or any lower tier sub-recipient of a Federal-aid contract to pay for any person for influencing or attempting to influence a federal agency or Congress in connection with the awarding of any federal-aid contract, the making of any federal grant or loan, or the entering into of any cooperative agreement.

If any funds other than federal funds have been paid for the same purposes in connection with this federal-aid contract, the recipient shall submit an executed certification and, if required, submit a completed disclosure form as part of the bid documents.

A certification for federal-aid contracts regarding payment of funds to lobby Congress or a federal agency is included in the Proposal. Standard Form - LLL, "Disclosure of Lobbying Activities," with instructions for completion of the Standard Form is also included in the Proposal. Signing the Proposal shall constitute signature of the Certification.

The above referenced certification and disclosure of lobbying activities shall be included in each subcontract and any lower-tier contracts exceeding \$100,000. All disclosure forms, but not certifications, shall be forwarded from tier to tier until received by the Engineer.

The Contractor, subcontractors and any lower-tier contractors shall file a disclosure form at the end of each calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed by the Contractor, subcontractors and any lower-tier contractors. An event that materially affects the accuracy of the information reported includes:

- (1) A cumulative increase of \$25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered federal action; or
- (2) A change in the person(s) or individual(s) influencing or attempting to influence a covered federal action;
- or
- (3) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal Action.

END OF INSTRUCTIONS TO BIDDERS

BID FORM

NAME OF BIDDER: _____

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

Rockfield Boulevard Streetscape Project PW 2003.02

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project for the following TOTAL BID PRICE:

BID SCHEDULE

Item No.	Item	Estimated Quantity	Unit	Unit Price	Extended Amount
1.	Mobilization	1	LS	\$	\$
2.	Clearing and grubbing	1	LS	\$	\$
3.	Unclassified excavation	680	CY	\$	\$
4.	Remove sidewalk/curb ramp	22,900	SF	\$	\$
5.	Remove handrail	4	EA	\$	\$
6.	Remove pavement	23,754	SF	\$	\$
7.	Cold mill (2" thick)	86,500	SF	\$	\$
8.	Remove gutter	4,750	SF	\$	\$
9.	Asphalt concrete (ARHM)	2,608	TON	\$	\$
10.	Aggregate base	63	CY	\$	\$
11.	PCC curb, type a1-200(8)	4,739	LF	\$	\$
12.	PCC curb ramp, type 1	2,050	SF	\$	\$
13.	PCC curb ramp, type 2	4,110	SF	\$	\$
14.	PCC gutter, RDMD 122-1-oc	4,750	SF	\$	\$
15.	Adjust manhole to grade	12	EA	\$	\$
16.	Adjust utility structure to grade	12	EA	\$	\$
17.	Install 1.5" water service meter	1	EA	\$	\$
18.	Adjust traffic pull box	4	EA	\$	\$
19.	Relocate traffic pull box	4	EA	\$	\$
20.	Rewire intersection traffic signal	2	EA	\$	\$
21.	Signing and striping	1	LS	\$	\$
22.	Traffic control	1	LS	\$	\$
23.	Traffic signal loop detector	67	EA	\$	\$
24.	72" box tree	2	EA	\$	\$
25.	24" box tree	114	EA	\$	\$
26.	15 gallon tree	81	EA	\$	\$
27.	5 gallon shrub	811	EA	\$	\$
28.	1 gallon shrub	8,661	EA	\$	\$
29.	Soil preparation, fine grading, and fertilizer	26,780	SF	\$	\$
30.	Bark mulch	26,780	SF	\$	\$

Item No.	Item	Estimated Quantity	Unit	Unit Price	Extended Amount
31.	Excavate existing and import class a topsoil in planting areas	992	CY	\$	\$
32.	Vertical root barrier	9,456	LF	\$	\$
33.	Horizontal root barrier	260	LF	\$	\$
34.	90- Day Maintenance & plant establishment	1	LS	\$	\$
35.	Median cobble paving	4,575	SF	\$	\$
36.	Vehicular concrete paving #1	4,140	SF	\$	\$
37.	Vehicular concrete paving #2	1,550	SF	\$	\$
38.	Decorative stone veneer pilasters	4	EA	\$	\$
39.	Split rail fence	4	EA	\$	\$
40.	Meter pedestal complete in place	1	LS	\$	\$
41.	LED upright w/ power pipe & stability flange	22	EA	\$	\$
42.	Irrigation	1	LS	\$	\$
TOTAL BID AMOUNT IN FIGURES					\$

In case of discrepancy between the unit price and the item cost set forth for a unit basis item, the unit price shall prevail and, shall be utilized as the basis for determining the lowest responsive, responsible bidder. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Item Cost" column, then the amount set forth in the "Item Cost" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price. Final payment shall be determined by the Engineer from measured quantities of work performed based upon the unit price.

TOTAL BID PRICE (BASED ON BID SCHEDULE TOTAL OF UNIT PRICES):

\$

Total Bid Price in Written Form

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

The undersigned agrees that this Bid Form constitutes a firm offer to City which cannot be withdrawn for the number of calendar days indicated in the Notice Inviting Bids from and after the bid opening, or until a Contract for the Work is fully executed by City and a third party, whichever is earlier.

The Contract duration shall commence on the date stated in City's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents. In no case shall the Contractor commence construction prior to the date stated in City's Notice to Proceed.

Bidder certifies that it is licensed in accordance with the law providing for the registration of Contractors, License No. _____, Expiration Date _____, class of license _____. If the bidder is a joint venture, each member of the joint venture must include the above information.

The undersigned acknowledges receipt, understanding and full consideration of the following addenda to the Contract Documents.

Addenda No. _____

Addenda No. _____

Addenda No. _____

1. Attached is the required bid security in the amount of not less than 10% of the Total Bid Price.
2. Attached is the fully executed Non-Collusion Affidavit form.
3. Attached is the completed Designation of Subcontractors form.
4. Attached is the completed Bidder Information Form.
5. Attached is the completed Contractor's Certificate Regarding Workers' Compensation form.

I hereby certify under penalty of perjury under the laws of the State of California, that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder _____

Signature _____

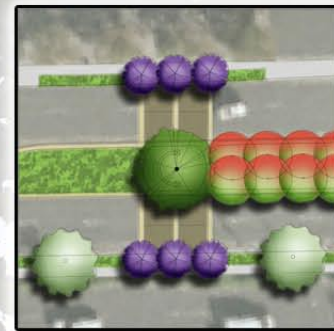
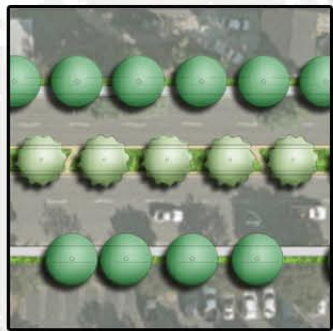
Name and Title _____

Dated _____

END OF BID FORM

ATTACHMENT 2

ROCKFIELD BOULEVARD STREETSCAPE MASTER PLAN



PREPARED FOR:
THE CITY OF LAKE FOREST
25550 COMMERCENTRE DRIVE, SUITE 100
LAKE FOREST, CALIFORNIA 92630

PREPARED BY:
RBF CONSULTING
14725 ALTON PARKWAY
IRVINE, CALIFORNIA 92618

OCTOBER 2009

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Executive Summary

The goal of the Rockfield Boulevard Streetscape Master Plan is to improve Rockfield Boulevard into a more attractive and functional corridor for motorists, transit riders, bicyclists, and pedestrians. Rockfield Boulevard is a major north-south circulation corridor that extends from Los Alisos Boulevard to the City's limit near Centre Drive (approximately 1.8 miles). The Master Plan was developed through a Community Workshop and visioning process. Two community workshops were held to solicit input as part of the design process. One workshop was held on April 25, 2005 and another was held on June 22, 2005. Three streetscape design alternatives were presented during the June 22, 2005 workshop. The community members from the workshop preferred Streetscape Alternative Two, which had an asymmetrical (non-matching on each street side) street tree treatment with the neighborhood entries highlighted by small flowering accent trees. The median landscape treatment was an alternating arrangement of small flowering trees and tall columnar trees. The ground plane treatment consisted of flowering shrubs interspersed with shrub masses of contrasting foliage. The three streetscape design alternatives were also presented to the Planning Commission on January 28, 2008 and to the City Council on July 15, 2008.

The Final Rockfield Boulevard Streetscape Master Plan is a result of the community participation process and input from the City of Lake Forest Planning Commission, City Council, and City staff. The Master Plan refines the ideas presented in Streetscape Alternative Two, which creates landscaped parkways on both sides of Rockfield Boulevard by removing a 3.5-foot wide portion of existing sidewalk. New landscaped medians will be created in areas that are either striped or have a stamped concrete treatment. The street tree design will be an informal or non-symmetrical treatment where trees are selected based on the adjacent land-use or proximity to overhead utility lines. Small scale, colorful flowering trees will be used at street corners. The ground plane treatment is partially influenced by the shrubs and groundcovers used on El Toro Road and will consist of flowering shrubs interspersed with shrub masses of contrasting foliage. Decorative gateway paving, specimen oak trees, and craftsman-style cobble stone walls or pilasters with a brick cap will be used near the project entries at Centre Drive and Los Alisos Boulevard as well as on both sides of the intersection with El Toro Road. Crosswalks at key intersections at Lake Forest Drive, Ridge Route Drive, and Los Alisos Boulevard will receive decorative concrete paving. The median paving will also consist of decorative paving to help create a unified look for the corridor. Bus stops will utilize the City standard green metal furniture.

An opinion of probable construction costs to use for budgetary purposes and a three-phased construction phasing plan is included as part of the Master Plan.

Rockfield Boulevard Streetscape Master Plan

Project Goals

The City of Lake Forest identified Rockfield Boulevard as a significant circulation corridor worthy of enhancing and improving. The goal of the project is to improve Rockfield Boulevard into a more attractive and functional corridor for motorists, transit riders, bicyclists, and pedestrians. The proposed improvements would serve as an important element of the City's redevelopment goals as well as establishing a positive City image.

The development of the Rockfield Boulevard Streetscape Master Plan utilized a comprehensive Community Workshop and visioning process to help support the City's goals and design criteria. The Master Plan provides a cohesive landscape character that compliments the current design theme at The Arbors on El Toro Road while providing a distinct streetscape image for Rockfield Boulevard. The Master Plan addresses median island geometrics, evaluates traffic lane widths, parkway widening opportunities, sidewalks, monument signage, bus shelters, and planting treatments as part of the overall Rockfield Boulevard image.

Project Area

Rockfield Boulevard is one of the City's major north-south circulation corridors extending from Los Alisos Boulevard to the City's limit near Centre Drive (approximately 1.8 miles). Rockfield Boulevard currently is a combination of divided and undivided four-lane roadway. Median areas, where they exist, include painted medians or concrete curb medians with stamped colored concrete inside. The parkways generally consist of concrete sidewalk located at the back of curb with either block walls or landscaping located behind the walk. Some parkway sidewalk areas contain small tree planters. Power poles and overhead utility lines run along Rockfield Boulevard within the parkways in several locations.

Community Input Process

Two Community Workshops were conducted to solicit input from the community as part of the design process. The first workshop was held on April 25, 2005 at the Lake Forest Community Association 1 "Lake Forest Beach and Tennis Club". Approximately ten (10) members of the community attended, in addition to City of Lake Forest officials and staff, and design consultant team members. The purpose of the workshop was four-fold:

- Introduce the Rockfield Boulevard Streetscape Project
- Review Existing Conditions and Opportunities
- Receive Initial Community Input on the Challenges, Assets, and "Visions" for Improving Rockfield Boulevard
- Provide Overview of Next Steps

The second workshop was held on June 22, 2005 at the Gates Elementary School Multi-Purpose Room. Approximately nine (9) members of the community attended, in addition to City of Lake Forest staff, and design consultant team members. The purpose of the workshop was to:

- Review the Rockfield Boulevard Streetscape Project
- Review the Initial Community Input from Community Workshop #1
- Present three Streetscape Concept Alternatives

- Receive Community Input
- Provide Overview of Next Steps

Streetscape Concept Alternatives

The following is a summary of the three Streetscape Concept Alternatives that were presented at the second Community Workshop.

Streetscape Concept Alternative One

This conceptual design was a formal linear treatment with trees matching along both sides of the street. Where space allowed a second row of street trees was added. The median had evenly spaced trees. The ground plane treatment consisted of three shrub types with alternating masses repeated throughout. The tree and shrub palette was influenced from the plants used on Lake Forest Boulevard. Specimen oak trees behind a craftsman-style cobble stone wall with a brick cap were placed in commercial areas repeating the El Toro treatment. Decorative crosswalks were planned at street intersections and at mid-block oak tree accent plantings. The sidewalk treatment was linear along both sides of the street. The proposed bus stop furniture was the City standard green metal.

The community members from the workshop commented that Alternative One was too uniform and rigid.

Streetscape Concept Alternative Two

This conceptual design was a combination of an asymmetrical (non-matching on each street side) street tree treatment with the neighborhood entries highlighted by small flowering accent trees. Where slopes or wider parkways allowed, the street trees were supplemented by an informal arrangement of tall flowering canopy trees in the background. The median landscape treatment was an alternating arrangement of small flowering trees and tall columnar trees. The ground plane treatment consisted of flowering shrubs interspersed with shrub masses of contrasting foliage. The proposed bus stop street furniture was pre-cast concrete benches with a unique integral color.

The community members from the workshop preferred Alternative Two. They liked the idea of differentiating Rockfield Boulevard from other city streets while keeping a “look” that this is still a part of the City. They liked the idea of using a bus stop bench with a different color. The residents also liked the greater number of shrubs selections. Alternative Two seemed to provide a greater sense of a larger parkway landscape

Streetscape Concept Alternative Three

This conceptual design incorporated the largest variety of street trees along Rockfield Boulevard. The street trees were arranged in a formal pattern on both sides of the street with large groupings of flowering trees accenting neighborhood entries. The long stretches of the formal street tree pattern were separated by masses of flowering accent trees. Patterned from El Toro Road, a large specimen oak tree behind a craftsman-style cobble stone wall with a brick cap occurred in the median along commercial uses. Otherwise, the median featured an informal arrangement of five different trees. The ground plan treatment featured informal masses of shrubs that were either flowering or had contrasting leaf colors. The proposed bus stop furniture was a custom design.

The community members rated Alternative Three as their second choice. While the residents liked the tree varieties, the general consensus was this solution needed to be simplified.

Planning Commission and City Council Approvals

On January 28, 2008, the three Streetscape Concept Alternatives were presented to the Planning Commission. The Planning Commission recommended Alternative Two, with the following comments:

- Add the specimen oak tree behind a craftsman-style cobble stone wall with a brick cap at key entry and exit locations
- Utilize colorful flowering trees at street corners
- Use the City standard green metal furniture at the bus stops
- Utilize small-scale trees near the overhead utility lines

On July 15, 2008, the three Streetscape Concept Alternatives were presented to the City Council and Alternative Two was approved to be used as the basis for preparing the Final Streetscape Master Plan.

Final Rockfield Boulevard Streetscape Master Plan

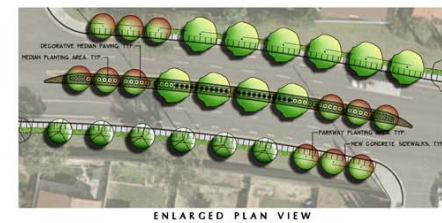
The Rockfield Boulevard Streetscape Master Plan is a result of the community participation process and input from the City of Lake Forest Planning Commission, City Council, and City staff. The Master Plan refines the ideas presented in Streetscape Alternative Two to meet the goals of the project of creating an attractive and functional corridor for motorists, transit riders, bicyclists, and pedestrians.

The Streetscape Master Plan (page 4) creates landscaped parkways on both sides of Rockfield Boulevard by removing a 3.5-foot wide portion of existing sidewalk. New landscaped medians will be created in areas that are either striped or have a stamped concrete treatment. The street tree design will be an informal or non-symmetrical treatment where trees are selected based on the adjacent land-use or proximity to overhead utility lines. Small scale, colorful flowering trees will be used at street corners. The ground plane treatment is partially influenced by the shrubs and groundcovers used on El Toro Road and will consist of flowering shrubs interspersed with shrub masses of contrasting foliage.

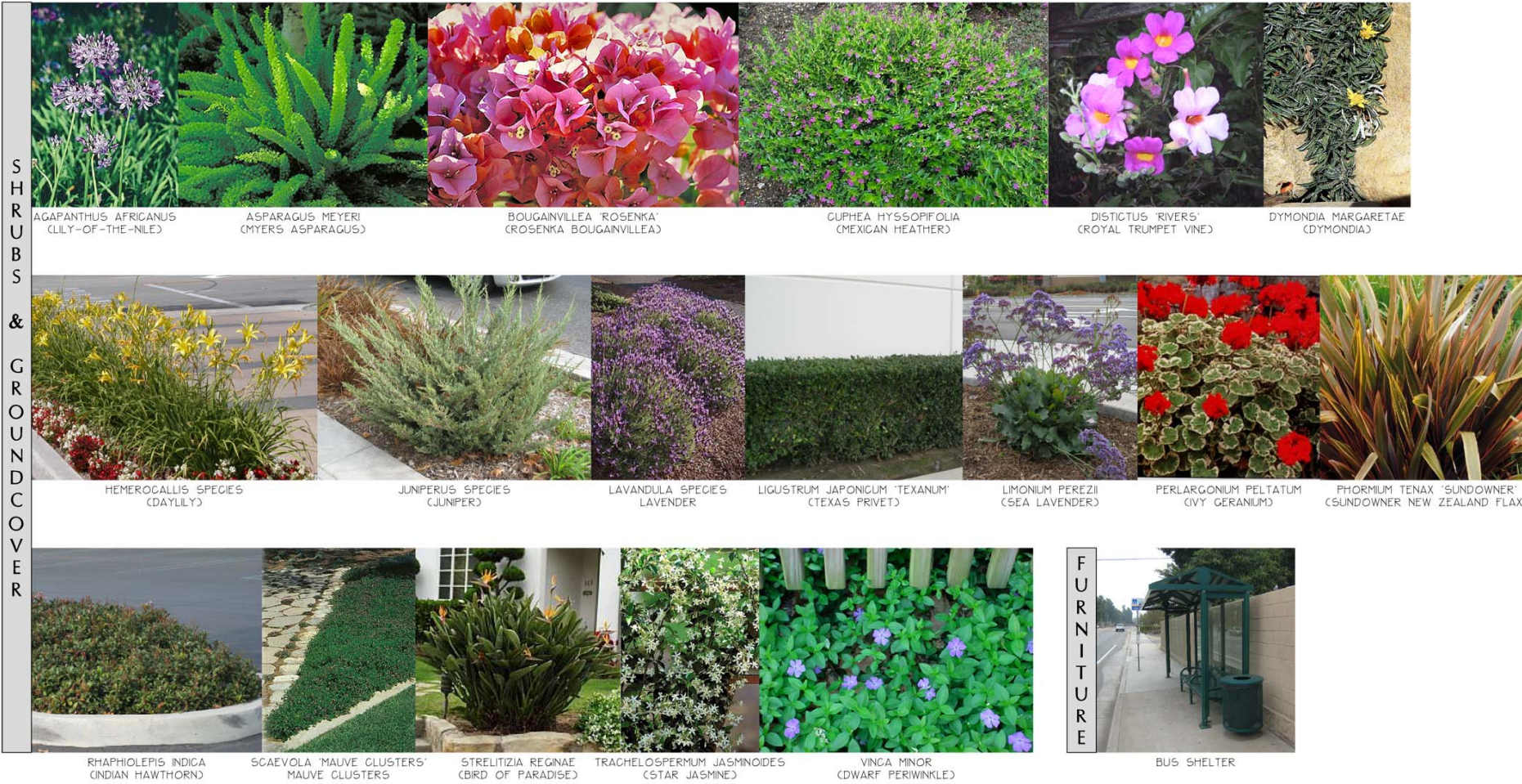
Decorative gateway paving, specimen oak trees, and craftsman-style cobble stone walls or pilasters with a brick cap will be used near the project entries at Centre Drive and Los Alisos Boulevard as well as on both sides of the intersection with El Toro Road. Crosswalks at key intersections at Lake Forest Drive, Ridge Route Drive, and Los Alisos Boulevard will receive decorative concrete paving. The median paving will also consist of decorative paving to help create a unified look for the corridor. Bus stops will utilize the City standard green metal furniture.

Four illustrative Street Sections (page 5) were prepared to show the streetscape enhancements along the Rockfield Boulevard corridor. Section A is between Centre Drive and Lake Forest Drive, Section B is between Ridge Route Drive and Gondor Drive, Section C is between Orchard Lane and Silverbay Drive, and Section D is between Landisview Avenue and Larkwood Lane.

Typical pictures of the proposed plant palette and street furniture are shown on page 6.







PLANT LEGEND		
SYMBOL	BOTANICAL NAME	COMMON NAMES
	GEIJERA PARVIFLORA	AUSTRALIAN WILLOW
	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE
	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE
	LAGERSTROEMIA INDICA 'TUSCARORA'	TUSCARORA CRAPE MYRTLE
	PLATANUS ACERIFOLIA	LONDON PLANE TREE
	PRUNUS CERASIFERA 'ATROPURPUREA'	PURPLE LEAF PLUM
	QUERCUS AGRIFOLIA	COAST LIVE OAK
	TABEBUIA CHRYSOTRICHIA	GOLDEN TRUMPET TREE
	TRISTANIA CONFERTA	BRISBANE BOX
	<u>SHRUBS AND GROUNDCOVERS</u>	
	AGAPANTHUS AFRICANUS	LILY-OF-THE-NILE
	ASPARAGUS MEYERI	MYERS ASPARAGUS
	BOUGAINVILLEA 'ROSENKA'	ROSENKA BOUGAINVILLEA
	CUPHEA HYSSOPIFOLIA	MEXICAN HEATHER
	DISTICTUS 'RIVERS'	ROYAL TRUMPET VINE
	DYMONDIA MARGARETAE	DYMONDIA
	FESTUCA ARUNDINACEA 'MARATHON II'	MARATHON II TURF SOD
	HEMEROCALLIS SPECIES	DAYLILY
	JUNIPERUS SPECIES	JUNIPER
	LAVANDULA SPECIES	LAVENDER
	LIGUSTRUM 'TEXANUM'	TEXAS PRIVET
	LIMONIUM PEREZII	SEA LAVENDER
	PERLARGONIUM PELTATUM	IVY GERANIUM
	PHORMIUM TENAX 'SUNDOWNER'	SUNDOWNER NEW ZEALAND FLAX
	RHAPHIOLEPIS INDICA	INDIAN HAWTHORN
	SCAEVOLA 'MAUVE CLUSTERS'	MAUVE CLUSTERS
	STRELITZIA REGINAE	BIRD OF PARADISE
	TRACHELOSPERMUM JASMINOIDES	STAR JASMINE
	VINCA MINOR	DWARF PERIWINKLE

HARDSCAPE LEGEND	
SYMBOL	DESCRIPTION
	DECORATIVE GATEWAY PAVING
	CONCRETE SIDEWALK
	DECORATIVE CONCRETE CROSSWALK
	GATEWAY WALL
	BUS SHELTERS
	DECORATIVE MEDIAN PAVING

Rockfield Boulevard Streetscape Master Plan Cost Estimate

The following Master Plan cost estimate is an opinion of probable construction costs to use for budgetary purposes. The estimate is broken down into the three project phases. Also, the estimate also makes the following assumptions, which could have significant cost implications based on the final design:

- Pavement removals within the median assume 1' depth
- Street lighting is assumed to be relocated and reused
- All utility relocations, if necessary, will be provided by the serving utility
- No additional right-of-way will be required
- New and modifications to traffic signals are excluded
- Reconstruction of the existing pavement will not be necessary
- No new drainage facilities will be required
- All options include the removal and replacement of sidewalk
- All phases assume that a 4' wide portion of sidewalk is removed for planting and that 4' remain
- Electrical / landscape lighting costs assumes up-lighting for median and parkway trees

DESCRIPTION	MASTER PLAN			
	PHASE 1	PHASE 2	PHASE 3	TOTAL
	Los Alisos to El Toro	El Toro to Ridge Route	Ridge Route to Centre Drive	Phases 1-3
R & R SUBTOTAL	\$131,952	\$93,660	\$115,092	\$340,704
ROADWAY SUBTOTAL	\$309,000	\$409,400	\$259,600	\$978,000
TRAFFIC SUBTOTAL	\$80,000	\$70,000	\$70,000	\$220,000
LANDSCAPE	\$429,087	\$319,804	\$402,588	\$1,151,479
HARDSCAPE	\$192,000	\$235,190	\$286,100	\$713,290
ELECTRICAL / LANDSCAPE LIGHTING	\$200,000	\$200,000	\$200,000	\$600,000
SUBTOTAL	\$1,342,039	\$1,328,054	\$1,333,380	\$4,003,473
CONTINGENCIES (20%)	\$268,408	\$265,611	\$266,676	\$800,695
GRAND TOTALS	\$1,610,447	\$1,593,665	\$1,600,056	\$4,804,168

Rockfield Boulevard Streetscape Master Plan Construction Phasing

The Rockfield Boulevard Streetscape Master Plan has been divided into three phases. The following table identifies the preliminary construction cost estimates associated with the proposed improvements for each phase. Enlarged graphics of each phase are shown on pages 9, 10, and 11.

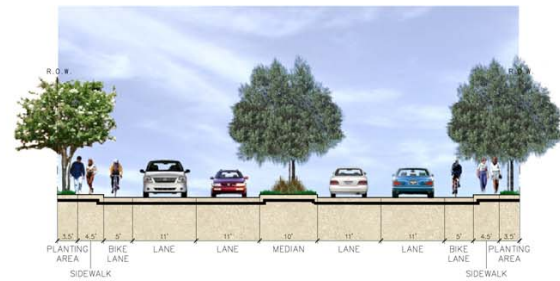
PHASE	CONSTRUCTION COSTS	DESIGN PERIOD	CONSTRUCTION PERIOD
Phase 1 - Los Alisos to El Toro	\$1,610,447	6-8 months	8-10 months
Phase 2 - El Toro to Ridge Route	\$1,593,665	6-8 months	7-9 months
Phase 3 - Ridge Route to Centre Drive	\$1,600,056	5-7 months	6-8 months



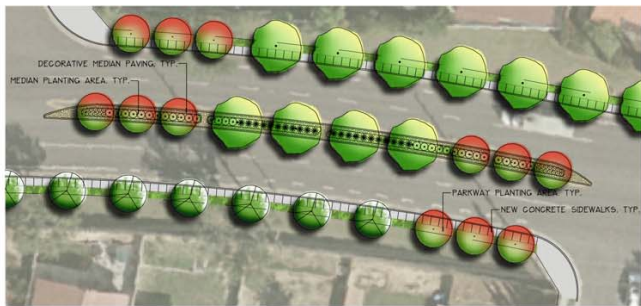
HARDSCAPE LEGEND	
SYMBOL	DESCRIPTION
[Pattern]	DECORATIVE GATEWAY PAVING
[Pattern]	CONCRETE SIDEWALK
[Pattern]	DECORATIVE CONCRETE CROSSWALK
[Symbol]	GATEWAY WALL
[Symbol]	BUS SHELTERS
[Pattern]	DECORATIVE MEDIAN PAVING

PLANT LEGEND		
SYMBOL	BOTANICAL NAME	COMMON NAME
[Symbol]	GEUERA PARVIFLORA	AUSTRALIAN WILLOW
[Symbol]	KOELREUTERA BIPINNATA	CHINESE PLANE TREE
[Symbol]	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ GRAPE MYRTLE
[Symbol]	LAGERSTROEMIA INDICA 'TUSCARORA'	TUSCARORA GRAPE MYRTLE
[Symbol]	PLATANUS ACERIFOLIA	LONDON PLANE TREE
[Symbol]	PRUNUS CERASIFERA 'ATROPURPUREA'	PURPLE LEAF PLUM
[Symbol]	QUERCUS AGRIFOLIA	COAST LIVE OAK
[Symbol]	TABEBUIA CHRYSOTRICHIA	GOLDEN TRUMPET TREE
[Symbol]	TRISTANA CONFERTA	BRISBANE BOX
[Symbol]	SHRUBS AND GROUNDCOVERS:	
[Symbol]	AGAPANTHUS AFRICANUS	LLY-OF-THE-NILE
[Symbol]	ASPARAGUS 'METER'	HYPERICUM
[Symbol]	BOUGANVILLEA 'ROSENKA'	ROSENA BOUGANVILLEA
[Symbol]	CUPHEA HYSSOPIFOLIA	HEXAGON HEATHER
[Symbol]	DISTICTUS RIVERS	ROYAL TRUMPET VINE
[Symbol]	DYDMONIA MARGARETAE	DYDMONIA
[Symbol]	FESTUCA JARONVILLEA 'HARATHON I'	HARATHON I TURF SOD
[Symbol]	HEMEROCALLIS SPECIES	DATILLY
[Symbol]	JUNIPERUS SPECIES	JUNIPER
[Symbol]	LAVANDULA SPECIES	LAVENDER
[Symbol]	LIGUSTRUM TEXANUM	TEXAS PRIVET
[Symbol]	LIPONUM PEREZE	SEA LAVENDER
[Symbol]	PHORADENDRON PELTATUM	SUNFLOWER NEW ZEALAND FLAX
[Symbol]	RHAPHIOLEPS INDICA	INDIAN PAWTHORN
[Symbol]	SCAEVOLA 'MAUVE GLUSTERS'	MAUVE GLUSTERS
[Symbol]	STRELITZIA REGINAE	BIRD OF PARADISE
[Symbol]	TRACHELOSPERMUM JASMINODES	STAR JASMINE
[Symbol]	VINCA MINOR	DWARF PERIWINKLE





STREET SECTION-B
NOT TO SCALE



ENLARGED PLAN VIEW
NOT TO SCALE



BUS SHELTER



GEUERA PARVIFLORA (AUSTRALIAN WILLOW)



KOELREUTERA BIPINNATA (CHINESE PLUME TREE)



LAGERSTROEMIA INDICA (GRAPE MYRTLE)



LAGERSTROEMIA 'NATCHEZ' (NATCHEZ GRAPE MYRTLE)



PLATANUS ACERIFOLIA (LONDON PLANE TREE)



PRUNUS C. 'ATROPURPUREA' (PURPLE LEAF PLUM)



QUERCUS AGRIFFOLIA (COAST LIVE OAK)



TABERBUJA CHRYSOTRICHIA (GOLDEN TRUMPET TREE)



TRISTANIA CONFERTA (BRISBANE BOX)

HARDSCAPE LEGEND	
SYMBOL	DESCRIPTION
	DECORATIVE GATEWAY PAVING
	CONCRETE SIDEWALK
	DECORATIVE CONCRETE CROSSWALK
	GATEWAY WALL
	BUS SHELTERS
	DECORATIVE MEDIAN PAVING

PLANT LEGEND		
SYMBOL	BOTANICAL NAME	COMMON NAME
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	KOELREUTERA BIPINNATA	CHINESE PLUME TREE
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	LAGERSTROEMIA INDICA 'TUSCARORA'	TUSCARORA GRAPE MYRTLE
	PLATANUS ACERIFOLIA	LONDON PLANE TREE
	PRUNUS CERASIFERA 'ATROPURPUREA'	PURPLE LEAF PLUM
	QUERCUS AGRIFFOLIA	COAST LIVE OAK
	TABERBUJA CHRYSOTRICHIA	GOLDEN TRUMPET TREE
	TRISTANIA CONFERTA	BRISBANE BOX
SHRUBS AND GROUNDCOVERS		
	AGAPANTHUS AFRICANUS	LLY-OF-THE-NILE
	ASPARAGUS 'MEYER'	MEYER'S ASPARAGUS
	BOUGAINVILLEA 'ROSENKA'	ROSENKA BOUGAINVILLEA
	CUPHEA HYSSOPIFOLIA	KEKONIA HEATHER
	DISTICTIS 'RIVERS'	ROYAL TRUMPET VINE
	DYMONDIA MARGARETAE	MARGARET'S DYMONDIA
	FESTUCA ARUNDINACEA 'MARATHON II'	MARATHON II TURF SOO
	HEMEROCALLIS 'SPECIE'	DAILY
	JUNIPERUS 'SPECIE'	JUNIPER
	LAVANDULA 'SPECIE'	LAVENDER
	LIGUSTRUM JAPONICUM 'TEXAS'	TEXAS PRIVET
	LIMONUM 'PEREZII'	SEA LAVENDER
	PHORADENDRON 'TENAX'	SUNSHINE NEW ZEALAND FLAX
	RAPHANISTRUM 'INDICA'	INDIAN PAWTHORN
	SCAEVOLA 'MAUI'	MAUI GLISTERS
	STRELITZIA REGINAE	BIRD OF PARADISE
	TACHYDIUM 'PURPUREUM'	STAR JASMINE
	VINCA 'MINOR'	DWARF PERIWINKLE



AGAPANTHUS AFRICANUS (LLY-OF-THE-NILE)



ASPARAGUS 'MEYER' (MEYER'S ASPARAGUS)



BOUGAINVILLEA 'ROSENKA' (ROSENKA BOUGAINVILLEA)



CUPHEA HYSSOPIFOLIA (KEKONIA HEATHER)



DISTICTIS 'RIVERS' (ROYAL TRUMPET VINE)



DYMONDIA MARGARETAE (DYMONDIA)



HEMEROCALLIS 'SPECIE' (DAILY)



JUNIPERUS 'SPECIE' (JUNIPER)



LAVANDULA 'SPECIE' (LAVENDER)



LIGUSTRUM JAPONICUM 'TEXAS' (TEXAS PRIVET)



LIMONUM 'PEREZII' (SEA LAVENDER)



PHORADENDRON 'TENAX' (SUNSHINE NEW ZEALAND FLAX)



RAPHANISTRUM 'INDICA' (INDIAN PAWTHORN)



SCAEVOLA 'MAUI' (MAUI GLISTERS)



STRELITZIA REGINAE (BIRD OF PARADISE)

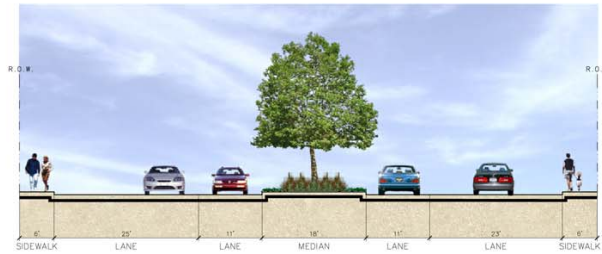


TACHYDIUM 'PURPUREUM' (STAR JASMINE)

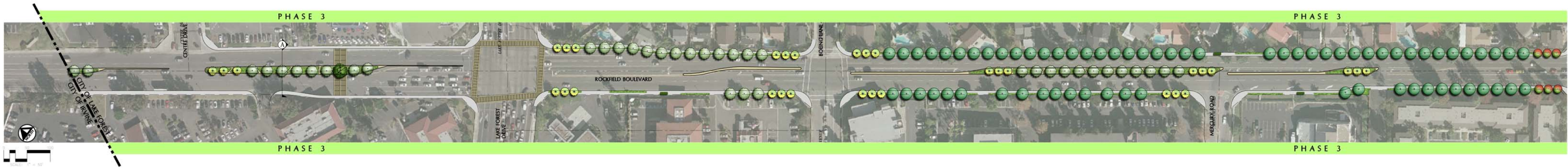
VINCA 'MINOR' (DWARF PERIWINKLE)



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STREET SECTION - A
NOT TO SCALE



BUS SHELTER



GEUKIA PARVIFLORA KOELREUTERIA BIPINNATA (AUSTRALIAN WILLOW) (CHINESE FLAME TREE)



LAGERSTROEMIA INDICA (GRAPE MYRTLE)



LAGERSTROEMIA 'NATCHEZ' PLATANUS ACERIFOLIA (NATCHEZ GRAPE MYRTLE) (LONDON PLANE TREE)



PRUNUS C. 'ATROPURPUREA' (PURPLE LEAF PLUM)



QUERCUS AGRIFFOLIA (COAST LIVE OAK)



TABERBUJA CHRYSOTRICHIA (GOLDEN TRUMPET TREE)



TRISTANIA CONFERTA (BRISBANE BOX)

HARDSCAPE LEGEND	
SYMBOL	DESCRIPTION
	DECORATIVE GATEWAY PAVING
	CONCRETE SIDEWALK
	DECORATIVE CONCRETE CROSSWALK
	GATEWAY WALL
	BUS SHELTERS
	DECORATIVE MEDIAN PAVING

PLANT LEGEND		
SYMBOL	BOTANICAL NAME	COMMON NAME
	GEUKIA PARVIFLORA	AUSTRALIAN WILLOW
	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE
	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ GRAPE MYRTLE
	LAGERSTROEMIA INDICA 'TUSCARORA'	TUSCARORA GRAPE MYRTLE
	PLATANUS ACERIFOLIA	LONDON PLANE TREE
	PRUNUS CERASIFERA 'ATROPURPUREA'	PURPLE LEAF PLUM
	QUERCUS AGRIFFOLIA	COAST LIVE OAK
	TABERBUJA CHRYSOTRICHIA	GOLDEN TRUMPET TREE
	TRISTANIA CONFERTA	BRISBANE BOX
SHRUBS AND GROUNDCOVERS		
	AGAPANTHUS AFRICANUS	LLY-OF-THE-NILE
	ASPARAGUS 'MEYER'	MYERS ASPARAGUS
	BOUGAINVILLEA 'ROSENKA'	ROSENKA BOUGAINVILLEA
	CUPHEA HYSSOPIFOLIA	MEKONG HEATHER
	DISTICTIS 'RIVERS'	ROYAL TRUMPET VINE
	DYONIDIA MARGARETAE	MARATHON I TURF SOD
	FESTUCA ARUNDINACEA 'MARATHON I'	DATILLY
	HEMEROCALLIS 'SPECIES'	JUNPER
	JUNIPERUS 'SPECIES'	LAVENDER
	LAVANDULA 'SPECIES'	TEXAS PRIVET
	LIGUSTRUM JAPONICUM 'TEXANUM'	SEA LAVENDER
	LIMONUM PEREZZI	SUNFLOWER NEW ZEALAND FLAX
	PERLARGONIUM PELATUM	INDIAN PAWTHORN
	PHORADENDRON 'TENAX'	MAUIE GLISTERS
	RHAMPHOLEPS INDICA	STAR JASMINE
	SCAEOVOLA 'MAUVE'	DWARF PERIWINKLE
	STRELITZIA REGINAE	BIRD OF PARADISE
	TACHELODENDRON 'JASMINE'	STAR JASMINE
	VIGNA 'HINODE'	DWARF PERIWINKLE

